

IL-5 Polyclonal Antibody
Catalog # AP70522**Specification****IL-5 Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	P05113
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

IL-5 Polyclonal Antibody - Additional Information**Gene ID** 3567**Other Names**

IL5; Interleukin-5; IL-5; B-cell differentiation factor I; Eosinophil differentiation factor; T-cell replacing factor; TRF

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

IL-5 Polyclonal Antibody - Protein Information**Name** IL5**Function**

Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed:2653458, PubMed:9010276). Also acts on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation (By similarity). Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB (PubMed:1495999, PubMed:22528658). Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively (PubMed:7613138).

Cellular Location

Secreted.

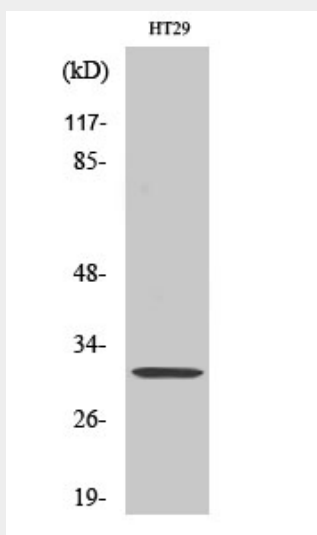
Tissue Location

Present in peripheral blood mononuclear cells.

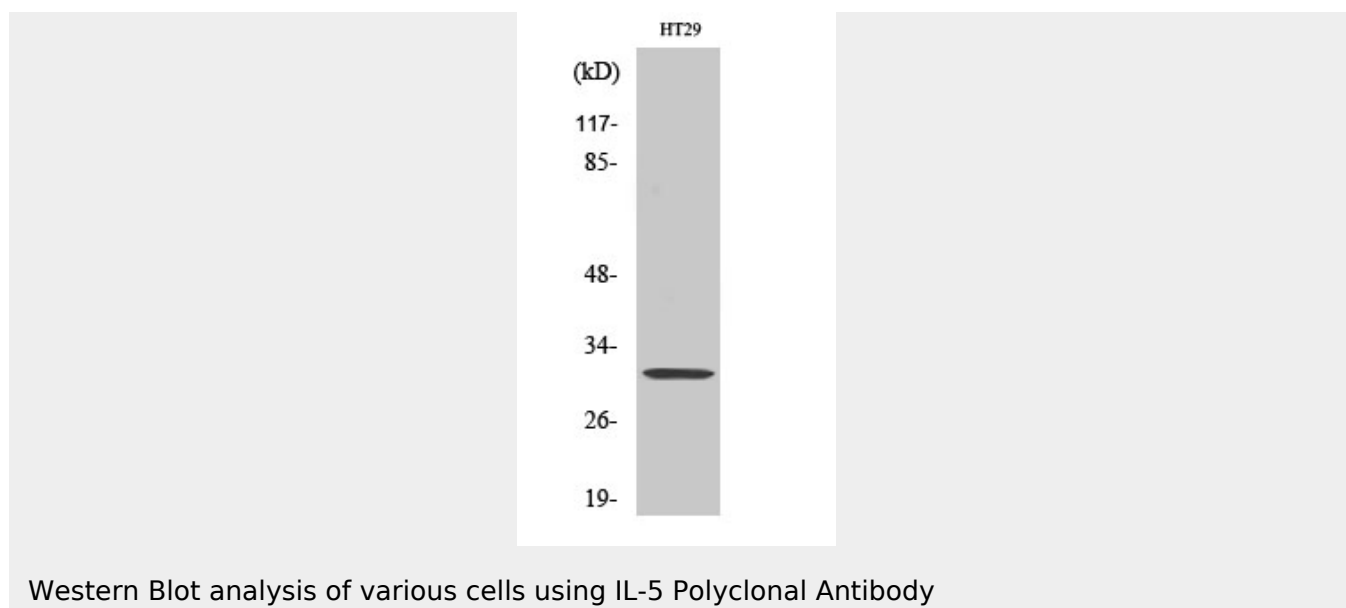
IL-5 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-5 Polyclonal Antibody - Images

Western Blot analysis of various cells using IL-5 Polyclonal Antibody

**IL-5 Polyclonal Antibody - Background**

Factor that induces terminal differentiation of late- developing B-cells to immunoglobulin secreting cells.